

### LOGICAL FRAMEWORK FOR IMPROVING FOOD SECURITY THROUGH SUSTAINABLE AGRICULTURE

NARRATIVE SUMMARY	OBJECTIVELY VERIFIABLE INDICATORS	MEANS OF VERIFICATION	ASSUMPTIONS
<b>Goal:</b> To improve food security through the promotion of fish farming and production of indigenous vegetables			
<b>Purpose 1:</b> Increase production of indigenous vegetables			
<b>Specific Objective 1:</b> To determine the species levels of small scale production of fish in the region			
<b>Specific Objective 2:</b> To determine the types and levels of production of indigenous vegetables			
<b>Specific Objective 3:</b> To increase the quality and quantity of fingerlings among small scale fish farmers in the region			
<b>Specific Objective 4:</b> To increase the quantity and quality of fish among small scale farmers			
<b>Specific Objective 5:</b> To promote the use of locally available materials in formulating quality affordable fish feed			

<b>Specific Objective 6:</b> Promote widespread production of indigenous vegetables			
<b>Purpose 2: Effective utilisation of fish and vegetables</b>			
<b>Specific Objective 7:</b> Establish utilisation patterns of indigenous vegetables			
<b>Specific Objective 8:</b> Enhance the utilisation of fish and indigenous vegetables			
<b>OUTPUTS</b>			
<b>Specific Objective 1: To determine the species levels of small scale production of fish in the region</b>			
Output 1.1: Inventory of available fish species in the region			
<b>Specific Objective 2: To determine the types and levels of production of indigenous vegetables</b>			
Output 2.1: Inventory of indigenous vegetables for the region			
<b>Specific Objective 3: To increase the quality and quantity of fingerlings among small scale fish farmers in the region</b>			
Output 3.1: Increased quantity of table size fish			
<b>Specific Objective 4: To increase the quantity and quality of fish among small scale farmers</b>			
Output 4.1: Fish feed from locally available materials formulated			
<b>Specific Objective 5: To promote the use of locally available materials in formulating quality affordable fish feed</b>			
Output 5.1: Fish feed from locally available materials formulated			
<b>Specific Objective 6: Promote widespread production of indigenous vegetables</b>			

Output 6.1: Increased production of indigenous vegetables			
<b>Specific Objective 7: Establish utilisation patterns of indigenous vegetables</b>			
Output 7.1: Inventory of utilization patterns and indigenous vegetables			
<b>Specific Objective 8: Enhance the utilisation of fish and indigenous vegetables</b>			
Output 8.1: Increased consumption of fish and indigenous vegetables			
Output 8.2: Increased income from and indigenous vegetables			
<b>ACTIVITIES</b>			
<b>Objective 1: To determine the species levels of small scale production of fish in the region</b>			
Activity 1.1: Baseline study			
<b>Objective 2: To determine the types and levels of production of indigenous vegetables</b>			
Activity 2.1: Baseline study			
<b>Objective 3: To increase the quality and quantity of fingerlings among small scale fish farmers in the region</b>			
Activity 3.1: Identification of fingerlings producers			
Activity 3.2: Training need assessment for small scale fingerling producers			
Activity 3.3: Train small scale fingerling producers			
Activity 3.4: Facilitating the production of fingerlings			
Activity 3.5: Identification of markets for fingerling producers			
<b>Objective 4: To increase the quantity and quality of fish among small scale farmers</b>			

Activity 4.1: Identification of small scale fish farmers			
Activity 4.2: Training need assessment for small scale fish farmers			
Activity 4.3: Train small scale fish farmers			
Activity 4.4: Facilitating the production of fish			
Activity 3.5: Linking fish farmers to the market			
<b>Objective 5: To promote the use of locally available materials in formulating quality affordable fish feed</b>			
Identify potential locally available ingredients in the region			
Formulate affordable quality diets that can be used by farmers			
Promote/upscale the diets that would produce better results			
<b>Objective 6: Promote widespread production of indigenous vegetables</b>			
<b>Activity 6.1:</b> Contact the agricultural extension service and other possible collaborators			
<b>Activity 6.2:</b> Awareness creation and enhancement campaigns through field days and demonstrations			
<b>Activity 6.3:</b> Follow up of cooperating farmers through relevant extension activities			
<b>Objective 7: Establish utilisation patterns of indigenous vegetables</b>			

Prepare data collection tools for the baseline study			
Collect data from the field			
Data analysis and preparation of inventory/database of utilisation patterns of indigenous vegetables and fish			
<b>Objective 8: Enhance the utilisation of fish and indigenous vegetables</b>			
To collect information on traditional recipes and establish their suitability			
Prepare local recipes for preparation of the indigenous vegetables and fish			
Demonstrate how to prepare some indigenous vegetables and fish using the prepared recipes			
Demonstrate on drying of indigenous vegetables and fish as a preservation method			
Facilitate the identification of markets around the production areas for indigenous vegetables and fish			
Demonstrate how to process fish for household consumption as well as for markets			

Incorporation of Home Economics officers, women groups and other interest groups in dissemination and utilization of the technologies for indigenous vegetable and fish preparation			
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